

711
Passed March 24th 1827
W. L. H.

My Inaugural Dissertation
on
Hepatitis a Disease of the Gall
For the degree of Doctor of Medicine.
By Hugh Houston
of
Alabama

natural.

is within

There is

quies of

the village

was pale

proceeding

lytically

side of the

the water as

But even the

scattered and

treacherous

only gave a

front in one

Having nothing

making a good

house

Hydrothorax.

Hydrothorax, as the etymology imports, is a partial, natural, or morbid accumulation of a serous or watery fluid within the chest.

There is some variety in the forms of this particular species of dropsy, according as the fluid is effused into the cellular texture of the lungs themselves, constituting *anasarca pulmonalis*; into the pericardium, called *hydro-pericardium*; or into an adhesionous membrane, denominated *hydrothorax*, or as it floats loosely, in one or both of the sacs of the pleura or cavities of the thorax, and it also exists, as a part of universal dropsy.

But since the symptoms are but little modified by these varieties, and they all part pretty nearly an identity of treatment, I shall not attempt at any discrimination, but merely give an outline of that form, in which the fluid floats in one or both of the cavities of the chest.

Having nothing preliminary to offer, I shall immediately, making a few remarks on the pathology and causes of the disease.

1812
The first of the year was a very cold one, and the
winter was very severe. The snow lay on the
ground for many weeks, and the frost was
very hard. The people were very much
affected by the cold, and many of them
died. The crops were all killed, and the
livestock were very much distressed.
The spring was very late, and the
summer was very hot. The people were
very much distressed by the heat, and
many of them died. The crops were
all killed, and the livestock were very
much distressed. The autumn was very
cold, and the winter was very severe.
The snow lay on the ground for many
weeks, and the frost was very hard.
The people were very much affected by
the cold, and many of them died. The
crops were all killed, and the livestock
were very much distressed. The spring
was very late, and the summer was
very hot. The people were very much
distressed by the heat, and many of
them died. The crops were all killed,
and the livestock were very much
distressed. The autumn was very cold,
and the winter was very severe. The
snow lay on the ground for many
weeks, and the frost was very hard.
The people were very much affected by
the cold, and many of them died. The
crops were all killed, and the livestock
were very much distressed.

The first of the year was a very cold one, and the
winter was very severe. The snow lay on the
ground for many weeks, and the frost was
very hard. The people were very much
affected by the cold, and many of them
died. The crops were all killed, and the
livestock were very much distressed.
The spring was very late, and the
summer was very hot. The people were
very much distressed by the heat, and
many of them died. The crops were
all killed, and the livestock were very
much distressed. The autumn was very
cold, and the winter was very severe.
The snow lay on the ground for many
weeks, and the frost was very hard.
The people were very much affected by
the cold, and many of them died. The
crops were all killed, and the livestock
were very much distressed. The spring
was very late, and the summer was
very hot. The people were very much
distressed by the heat, and many of
them died. The crops were all killed,
and the livestock were very much
distressed. The autumn was very cold,
and the winter was very severe. The
snow lay on the ground for many
weeks, and the frost was very hard.
The people were very much affected by
the cold, and many of them died. The
crops were all killed, and the livestock
were very much distressed.

The true pathology of hydrothorax (as well as of dropsy in general) seems, hitherto, not to have been generally understood, and at the present day, very different views as to the true nature are held forth by different medical men.

While some are of opinion, that it is a disease of debility, originating in an exhausted and cachectic condition of the system: Others (respecting entirely, those patients) tell us that we must look for the true and primary disease, in inflammation, or putridity.

Having been taught by some of my preceptors (whose opinions I am now ready to suspect) that the disease is strictly of an inflammatory nature, originating in excitement, that the effusion of serum is only a termination of the inflammation, a mere effect, which has been mistaken for the cause producing it. I have adopted their views (and I trust, not with too much avidity) hoping that they will lead to a practice more successful, and better calculated to alleviate human sufferings.

My dear Mr. Garrison
I have just received your letter of the 10th inst. and am
glad to hear from you. I am well and hope these few lines
will find you the same. I have been thinking much of late
of the state of the world and the progress of the
reform. I feel that we are making some progress but
it is slow and we must be patient. I hope to hear from
you again soon. I am, dear sir, very respectfully,
Your obedient servant,
Wm. Lloyd Garrison

12
I have just received your letter of the 10th inst. and am
glad to hear from you. I am well and hope these few lines
will find you the same. I have been thinking much of late
of the state of the world and the progress of the
reform. I feel that we are making some progress but
it is slow and we must be patient. I hope to hear from
you again soon. I am, dear sir, very respectfully,
Your obedient servant,
Wm. Lloyd Garrison

By Doct Joseph Noyes, who has recently published his
remarks into the pathology and treatment of dropsy.
The opinion of its inflammatory character is strongly in-
culcated, and his reasonings against the existence of pos-
sive dropsy, as far as I am acquainted with them, I
think, are pertinent and satisfactory.

The primary disease, says he, is a puritic action in the se-
rous tissue, which is proved to be very closely allied in its
nature to inflammation, by its being governed by the
same laws, and attended by the same phenomena.

Blackall, says Doct Noyes, is entitled to much credit
for his remarks into the state of the urine in dropsy,
by which the particular diathesis of the system is
pointed out.

The true pathology of hydropsion appears to be inflamma-
tion, or irritation, disturbing the balance between the exhalant
and absorbent systems, and thereby occasioning an accumu-
lation of fluid in the chest, which is termed hydropsion.
That this is the correct pathology of the disease appears

to be joined
water power
On health
of the town
a fluid will
entail to the
long removal
pastoral
but this has
^{work}
and hence, a
trivial
This laborer
destroyed it at
tion of the whole
only side of these
has that an increase
of it altogether
The station may be

to be pinched by its several phenomena, and also by post
natal irritations.

The health there is continually sinking from the pinches
of the thorax (as well as from those of the other cavities)
a fluid which serves to lubricate its surface, and is es-
sential to the performance of its healthy functions, but
being removed pari passu by the absorbents, there is no
postnatal accumulation, and all is running on as before,
but this due balance which naturally exists between these
~~independent~~^{interde-}pendent systems being destroyed, there is discord
and disease, a postnatal collection of fluid, and its
consequences.

This balance between the exhalant and absorbent systems may
be destroyed, it is said, by a postnatal increase of the
action of the exhalants, by a diminished power of the absorbents,
or by both of these causes combined, but I am taught to be-
lieve, that an increased action of the exhalants is generally,
if not always, the cause of this loss of balance.

Hydrothorax may be idiopathic or symptomatic; and proceed

From a letter
long time,
with just a
sympathetic
character, as to the
last
I know the
and independent
the first part of the
and as the same
you are under the
of the same
I will say that
the house is an
the whole, each
the whole part of
the whole is not only
the whole is to be
the whole

from a local or general cause - the nature of the inflammation being the same in both cases. It may likewise be divided into an acute and chronic form. When the disease is symptomatic and arises from a local cause, it is generally chronic, as when it proceeds from a disease of the lungs or heart.

Whichever the excitement producing hydrothorax, is idiopathic and independent of an organic disease of the lungs & heart, its remote cause may be either of a general or local kind, and are the same which produce, when applied in a higher degree, or under different states of the system, the other forms of inflammation. Were I to speak from what I have seen myself, I would say, that the most frequent among the remote causes of the disease, is an intemperate use of ardent spirits and its attendants, such as exposure of many species.

Phlebotomy, particularly from the suppression of accustomed evacuations, is not unfrequently a cause of hydrothorax: of this I am prepared to testify, having witnessed several cases of the kind.

[Faint, illegible handwriting on the left page, likely bleed-through from the reverse side.]

[Faint, illegible handwriting on the right page, likely bleed-through from the reverse side.]

I have known in a very few hours, from the suppression of colliquative diarrhoea, all the symptoms of hydrothorax come on, and terminate fatally in a very short time. From the amputation of a diseased limb, that, had been for some time in discharging condition, I have known, such symptoms as are indicative of a collection of water in the chest come on, and carry off the patient.

These discharges having become habitual, and the matter discharged being redundant, when prevented from escaping, by one outlet, it is only diverted from its course, and falls upon the weakest part of the Castle for an issue.

We sometimes have hydrothorax, resulting from the striking in of the parathoracic apical foramen, measles, &c. Any thing, however, that gives to the fluids a centripetal direction, may produce hydrothorax.

I shall in the next place endeavour to enumerate the more prominent phenomena or symptoms of the disease.

Unassisted by my inability, to arrange these with any accuracy of order, or according to their more common occurrences. I enter on the task with considerable diffidence, but I must be content with

History the top
suddenly felt p
dian are generall
suddenly felt it
dial again to h
arrangement char
It usually comes
presents with hot
reluctant or unusual
with great suffrage
local part and the
attractives
The place in the room
at last as the disease
The place in the room
as felt afterwards
not returning twice
It was palpitation of
the heart

finding them together in as intelligible a manner as I can.

Unhappily both for patient and practitioner, the symptoms of this disease are generally insidious and obscure, and it advances, unperceivedly, till it has attained a height beyond the reach of remedial agents; to this in part may I think be attributed its unmanageable character and fatal termination.

It generally comes on with a sense of weight and dull pain at the precordia, with dyspnoea, which is much aggravated by any immoderate or unusual exercise. The countenance is at first of lead, with eyes suffused and watery; but in the course of the disease becomes pale and siccophlegmatic, with oedema of the inferior extremities.

The skin in the recent stage of the disease is dry and florid, but as the disease advances, becomes cold and flaccid.

The pulse in the commencement, is generally, hard, quick, strong and full, afterwards becoming small, frequent and irregular, yet continuing tense and quick. It starts from sleep with anxiety and palpitation of the heart, pale visage, with occasional syncope.

When we
that side
only a not
about three
with a couple
with an open
the importance
of the disease
from the
to the disease
that the pro
for any time, I
not
The clay is fine
about the position
supposition, given
about the position
about a 1/2 mile
to the position

When no, or only is affected, most relief is afforded by reposing on that side. The urine is scanty and highly coloured, depositing on cooling a red coloured sediment. The patient generally complains of intense thirst, is unusually sensible to cold, and generally troubled with a cough, which is at first dry, but afterwards attended with an expectoration of thin mucus, with difficult deglutition. Not infrequently there is a sense of pain about the insertion of the diaphragm muscle, with stiffness of one or both wrists, extending from the region of the heart.

As the disease advances, the difficulty of breathing is increased, so that the patient cannot remain in the recumbent posture for any time, but the head and shoulders must be supported erect.

The sleep is frequently interrupted by alarming dreams, out of which the patient quickly starts, with a sense of impending suffocation, resembling pretty nearly an attack of spasmodic asthma. The pulsations of the heart become more frequent and violent, and are excited by non-trivial causes.

In this condition the patient is under the necessity of continuing.

rest with the
tissues are also
in fact changed
in the process
The operation
the constitution
one of the parts
two this is a very
in cases so that
that constitution
of maintaining the
from the patient
by perfect rest
of suppuration
But these remarks
and, in general, as
the effect of the disease
are, chiefly, dependent
being as long as the

rest, with the mouth open and gasping for air, the face and ex-
tremities are cold, the pulse feeble, and very intermitting. The legs
are swollen, clammy sweats break out, inauspicious, and the pa-
tient not infrequently attains this stage of the disease.

The expectoration is at this stage very often bloody, raw and
when a sensation of water floating about can be distinctly per-
ceived by the patient or attendant on any sudden change of pos-
ture, this is a very decisive symptom, not when evident, there
can remain no doubt as to the true character of the com-
plaint. Examination by the aid of the stethoscope is a very good mode
of ascertaining the presence of dropsy of the chest, also by per-
cussion the patient being in the erect posture. Another mark is
by pressure upon the abdomen which greatly increases the sense
of suffocation.

Doct. Sydenham remarks, that the definition of this disease, as
given by nosologists, is pathologically incorrect, as referring rather to
the effect of the disease, than to the disease itself, i.e. that the sym-
ptoms, strictly speaking, point only remotely to the true disease
- arising as they do, from a certain disturbance given to the lungs

by the prop
property, a
line of one
in the whole
sample is an
in an bottle
The quality of
a few more, a
regularity and
dise. The of the
property and
The business
within the poss
the knowledge a
line of the dis
reference, are a
volume of the the
and other things
into the whole

by the pressure of water upon them. But water sometimes frequently discovers traces of inflammation, and always an accumulation of more or less of fluid in the chest, which is sometimes contained in the cellular texture of the lungs, sometimes in the pericardium, sometimes in an adventitious membrane, and sometimes floating loosely in one or both of the cavities of the chest.

The quantity of water varies considerably, there being sometimes only a few ounces, and at other times, several quarts. The lungs are found compressed and reduced in size, according to the quantity of water of fluid. The fluid is generally of a yellowish color, and possesses properties analogous to serum.

The diagnosis of hydrothorax is, sometimes, very difficult, so much so that the most intelligent and experienced physician is held to be embarrassed, and is frequently unable to determine on the precise nature of the disease. The diseases with which it is liable to be confounded, are asthma, emphysema, aneurysm, and organic affections of the heart. To distinguish it from these, the practitioner must attend diligently to the symptoms, and institute a careful inquiry into the whole history of the case.

May be detected
that is not all
usual long
line with
two of the
real nature with
amount of a
second
the same or
two or possibly
opposed to, and
likely to be
the same
which is not a
the same
the progress of
the progress of
the progress of
the progress of

It may be distinguished from asthma, by symptoms attending the former that do not attend the latter, and vice versa. In the former, we have a general pleuro-pneumatic appearance, the voice is hoarse and high pitched, with fits or paroxysms recurring at irregular periods, and sometimes of duration is perceptible. In the latter, we have fits of a periodical nature, with a wheezing respiration, the voice of hoarseness in the commencement of a paroxysm, in considerable quantity, is without color and indolence.

In pneumonia, or acute pneumonia inflammation terminates in suppuration. There are generally cold, shiverings, and after a time, hectic symptoms appear, which do not attend hydrops. There is generally considerable difficulty experienced in distinguishing hydrops from angina pectoris and organic affections of the heart, we can only distinguish in these cases, by a strict attention to the details of the symptoms of the several diseases.

The prognosis of hydrops, should be given with caution, as death is frequently sudden, and when the patient, to all appearance, is convalescent, expanding the physician, and shortening the hopes of friends. It is acknowledged to be one of the most dangerous and incurable

front of shop
It has been considered
perhaps past some
action terminating
The difficulty of
long it is not
to be what it
and nothing of
to be what it
action is independent
and the of the
is impossible it
the supply of the
the management of
date can be lost
it is more
it is possible
independent means of
among the

forms of dropsy, the system, indeed, has it been cured. That hydrops
it has been considered as constituting one, in the catalogue of the ap-
poeia puerperum. In many cases it will not even admit of ab-
sorption, terminating fatally in a very short time, though in some cases
the difficulty of breathing gradually increases, until the action of the
lungs is entirely impeded by the accumulation of fluid.

From what I have expressed as my opinion in regard to the nature
and pathology of hydrops, it might be expected that I would commence
the treatment with the antiphlogistic plan in its fullest extent.
Emission is indisputably one of the most important remedies in the early
and stage of the disease, and in patients of a full and plethoric habit,
is indispensable. It should be carried as far as is consistent with
the safety of the patient.

In the management of the disease under consideration, the state of the system
should never be lost sight of, and to regulate it, nothing is equal to blood-
letting. It removes congestion, subdues inflammation, and restores that
just equilibrium which is so essential to health, forming thereby one of the
most powerful means of means of dispersing the existing accumulations, and re-
moving the immediate cause, it also prepares the way for the reception of

with the lowest of
only be related
to noted states
to proceeding
one of relieving
in possibly true
I suppose we pro
not to be suffic
into lectures, I
be well, rather
at Dept. of
Royal Society
has a book to
the principle of
and to lead an
Christian that
very possible
least highly possible

insoluble, sometimes. The extract of potash employed at the same time with the laxative, constitutes not a feld to reduce excitement, and is certainly an excellent adjuvant. The cream of tartar is also used during the excited state of the system, to answer the same indication as the preceding remedy. Emetics are sometimes employed with the view of relieving the lungs, from accumulations of mucus, but they are generally considered of doubtful utility.

Purgatives are prohibited in all diseases of the breast, and it is said to be sufficient, to keep the bowels in a soluble state, by mild laxatives; I have been taught, however, that they may be given much farther, without injury, and in fact, with decided benefit. Doct. Hope, prizes them freely, slightly.

Topical bleeding, by cups applied to the back or between the shoulder blades, or leeches to the side, is very considerable. These remedies act upon the principle of revulsion or derivation, and tend greatly to relieve the local congestion or inflammation, after the general inflammation has been sufficiently subdued, by the preceding remedies.

As putrid suppurative, these constitute a very excellent set of reme-

the whole, and
the system and
by attending to
which and from
about, take place
by speaking
has invited to join
to which it cannot
be applied with
the and interpreted
and the separation
between and of the
the, in that the
each in consequence of
a small establishment
This was one to be
was afterwards by and
the two members as to
the paper which the

ies. a plaster, sufficiently large to cover completely the breast, should be applied, and removed as soon as it heats, or kept discharging, by stimulating ointments. These remedies direct the course of the fluids, and prevent further effusion, or lessen that which has already taken place. A scotum in the side is also very serviceable.

In speaking of the employment of the lancet, I should not have omitted to mention, that we very frequently meet with cases in which it cannot be used with much freedom, but requires to be employed with judgement and caution, as in those of the slow and intemperate. The constitution in these cases is always more or less enervated, though the pulse may indicate a contrary condition, and if blood be freely & freely abstracted, the probability is, that the system will not react, and the patient will sink, in consequence of the loss of accustomed stimuli. This fact is well established by experience.

These cases are to be managed by topical bleeding and blistering, and afterwards, by such remedies as I shall hereafter notice.

After the remedies which have been enumerated, have been carried to the proper extent, the next thing to be done, is to remove the fluids.

it if the be a
wound to the ship
In the employment
and the possibility
action being of the
of a character as in
and explanation
they appear in the
consequently the diffi-
The style of medicine
and being as practice
difficult upon a partic-
quently proving atten-
and the other, very often
that they set on the other
as no other regard is to
as in the gross degree
the language
In the employment of the

id. if there be any remaining in the chest and for this purpose, requires
recourse to the class of medicines called diuretics.

In the employment of diuretics, great circumspection is necessary,
and the practitioner must be regulated entirely by the state of the
system. Many of the diuretics that are used in England, are
of a stimulant or irritant nature, and if employed while there is
much inflammatory disposition existing, serve but to disengage
they aggravate inflammation, and serve only to lock up more
permanently the different excretories.

This class of medicines appears to be very uncertain in their op-
eration, having no positive action on the kidneys, but acting on the
different organs or parts, according to their different states of sen-
sibility, proving alternately diuretic, diaphoretic, or purgative,
and also acting, very often, as diffusible stimuli.

When they act on the skin, kidneys or bowels, singly, their influ-
ence on other organs, is comparatively trivial, or not at all felt,
as when they prove diaphoretic, they do not exert the action
of the kidneys.

In the employment of these medicines, to induce and facilitate

The quarter
we passed in
to not think a
not always of
to the garden
I think it all
due to poor
I have to be a
neglect and
and the inter-
The part of the
The little group
of the
The public in the
to the super-
imposed by using it
the whole for com-
to set it in place
The whole is the

their operation, we are directed to keep the patient cool, out of bed, and barefoot in a damp room, or on a damp floor. These rules I do not think absolutely necessary, since the action of the skin and kidneys appears to be vicarious, and if it be most agreeable to the feelings of the patient to be kept moderately warm. I think it allowable, as I have known diuretics acting on the skin to prove highly serviceable; and as exposure to cold, which I believe to be an auxiliary cause of the disease, might increase congestion and inflammation, by determining the fluids towards the internal parts.

The first of the diuretics which I shall mention is the, equal. If the article properly tuned, is decidedly one of the most active and efficacious of the class, and appears to be in very general use. In the public institutions of Philadelphia, it came pretty nearly to have superseded all other remedies. It is said to be much improved by using it in combination with calomel. This combination should be carried to the extent of a moderate pyrexia. It acts it is said simultaneously on ^{the} kidneys and absorbents. The next article is the digitalis. Than this, no medicine perhaps in

[illegible]

The practice medicine has maintained a sort of hesitating and unsettled character, whilst some hold it as being a most powerful and efficacious remedy; others, declare it to be just an emollient. As far as I have seen it tried it has certainly done good. Professor Chapman observes that if, indeed, there be a fault in the practice of digitalis, is chiefly rooted in uncertainty, as not to be disturbed by cavils or disputation. It is the utility of digitalis in dropsy.

A great deal has been said concerning the state of the system to which it is best suited. By some, it is said to be best suited to those cases which proceed from a diseased state of ^{the} heart and by others to cases of intemperance, or to the weak and plethoric fibre.

Professor Chapman remarks that, whilst there is much activity, in the pulse, and a considerable portion of general, although remaining, it will prove inefficient, and, perhaps, mischievous.

The article must be used with caution, and the pulse, and action of the system, must be closely watched, for it may, sometimes be given to a considerable amount, without producing any sensible effect, and then suddenly displaying its powers, and endangering if not destroying the life of the patient. The digitalis appears to do good by diminishing

being intended to
 show, when the
 to estimate the
 the ability of
 action, irregular
 the influence of
 being made to
 by being, p
 to some extent
 the artists, and
 immediately the
 criticism, and
 and, and under
 that in by direct
 use of by direct
 from the support
 number, display
 that the original dis
 opinion of religion

ishing arterial action, and consequently preventing or diminishing of fusion. when the effects of this medicine are produced, they are apt to continue for a considerable time, producing depression of pulse, debility and a copious flow of urine.

Another singularity, which attends the operation of digitalis, is the influence which position has over the pulse, the pulsations being much increased by standing, and very much diminished by lying, in judging of its influence on the system these circumstances, should be recollected. If from the use of this article, any anomalous symptoms appear, it should be immediately discontinued.

The colchicum autumnale, is said to be a very good remedy in dropsy, and under certain circumstances, I would certainly give it a trial in hydrothorax.

In cases of hydrothorax proceeding from metastasis, or translocation, from the suppression of accustomed evacuations, as colliquative diarrhoea, discharging ulcers, &c. the great object is to restore the original discharge or disease, when proceeding from the suppression of colliquative diarrhoea, the active hydragogue purg-

is double
all to the
has from the
established by
the situation
has been from
the picture, and
has, as in the
the last set, a
the general
movement of
the small, calm
and all the
tendency to be
the position
in regard to the
of the body,
to the ability
by that interest

these should be immediately resorted to, and it is, sometimes necessary,
to call to their aid bloodletting general and local, also blistering,
when from the suppression of uterine discharges, they should be
re-established by the employment of venesection, if possible, or the employment
of stimulating or irritant applications.

And when from repelled catarrhs, the uterine disease, must
be treated; and for this purpose, we point to the warm bath, blis-
tering, and in some cases bloodletting, general and local; emetics in
these cases are sometimes very beneficial.

In equivocal cases or, such as are likely to be engorged with
stagnation of the functional action of the heart, a combination
of squill, calomel and digitalis generally answers very well, the
squill and calomel, emollienting, as I have already said, in real
intensity in hydrops and the digitalis, promoting, more than
any other medicine in affections of the heart.

In regard to the use of liquors in dropsy, there has been a great
deal of writing; but ^{of physicians} ~~of physicians~~ are pretty generally agreed,
as to their utility and allow them to be taken ad libitum. They
allow that intense thirst, which is always so distressing, and some

...but and that
the being considered
for that purpose
that not so
the subject in fact
as well as in principle
I am unable to
judge the proper
value of the
but I hope that it
will be the hands
way to the way
I have been able
to find some
to be an original
to the whole of the
a line of importance
inward towards the
of the subject, if not

what auxiliary to the director mentioned. I have not, I believe,
the fading remedies in the treatment of syphilis. I shall have
you content myself, though I am aware that there are many
others that are employed successfully, and should by no means
be overlooked in practice. What I have said on the subject, will
no doubt be sufficiently persuasive to the reader.

I am sensible that I have digressed, and perhaps my remarks
beyond the proper limits of my province, in entering into the
medical grounds of the glass remedies of which I have spoken,
but I hope (with a degree of sanguinity) that these lines will
fall into the hands of those who are not unwilling to extend
obedience to the inexperienced, novice, and humble student.

I must here observe that what I have said on this subject is
entirely bona fide or amplexus, having had no reference. So some
years ago to an original writing I have been compelled to make re-
visions, which I fear I have done incorrectly. Though said
as I am of experience, I feel a hope that I have made some ad-
vancement towards acquiring a knowledge of the principles
of the stimulus, if not it has been acting entirely to my own

Allegory the
his father and
which of such an
attending the
and against it
my father Pan
in his marshes
and, but ^{the} very
it which, but, so
as support its

Albany, the extensive fields, the ample and unparalleled advantages
furnished and obtained from the university of Pennsylvania, is the
student of medicine, cannot compels me to acknowledge, and not
withstanding the objections (frivolous and unimportant) which are
urged against it, and the rivalry which is springing forth from
every quarter I am firmly persuaded, that it will remain unsha-
ken and unopposed. The high reputation which it has hitherto sus-
tained, and ^{the} very distinguished talents with which it is at pres-
ent adorned, bid very fair to wear it far above all opposition
and support its preeminence.

